

WND4 - Replacing Over the Air (OTA) Control Unit or Gateway or Re-Programming Gateway Control Unit (Workshop Campaign)

Important: **CRITICAL WARNING** -This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: **As of 2022**

Model Line: **Panamera (971)**

Concerns: **Gateway control unit**

Information: **The vehicle user's personalized login to the central computer (PCM) is not possible due to a software error.**
As a result, the PCM web apps, personalized services and remote access are not available.

Action required: Re-program the gateway control unit using the PIWIS Tester with software version **40.850.050** (or higher) installed.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Important: **CRITICAL WARNING** -This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: **As of 2022**

Model Line: **911 (992)**

Concerns: **Gateway control unit**

Information: **The vehicle user's personalized login to the central computer (PCM) is not possible due to a software error.**
As a result, the PCM web apps, personalized services and remote access are not available.

Action required: Replace the gateway control unit.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Important: **CRITICAL WARNING** -This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: As of 2022

Model Line: **Taycan (Y1A/Y1B/Y1C)**

Concerns: **Over-the-air control unit**

Information: **The vehicle user's personalized login to the central computer (PCM) is not possible due to a software error.**
As a result, the PCM web apps, personalized services and remote access are not available.

Action required: Replace over the air control unit.

Affected vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Required tools (Panamera, Taycan)

Tool:

- **9900 - 9900 - PIWIS Tester 3** with PIWIS Tester software version **40.850.050** (or higher) installed
- Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 - battery charger 90 A**

Required tools (911)

Tool:

- **9900 - 9900 - PIWIS Tester 3** with PIWIS Tester software version **40.850.050** (or higher) installed
- Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 - battery charger 90 A**

Programming gateway control unit - Scope 1 (Panamera)

Work Procedure: 1 The basic procedure for control unit programming is described in the Workshop Manual ⇒ *Workshop Manual 'Basic instructions and procedure for control unit programming using the PIWIS Tester'*.

For specific information on control unit programming during this campaign, see table below.

Required PIWIS Tester software version:	40.850.050 (or higher)
Type of control unit programming:	Control unit programming using the ' Campaign function in the Additional menu ' on the PIWIS Tester by entering a programming code.
Programming code:	U7D3N
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt programming and coding. A backup documentation process for the re-programmed software versions starts as soon as programming and coding is complete.
Programming time (approx):	20 minutes
Software version programmed during this campaign:	<ul style="list-style-type: none"> Gateway control unit: 0613 Following control unit programming, the software version can be read out from the relevant control unit in the ⇒ 'Extended identifications' menu using the PIWIS Tester.
Procedure in the event of error messages appearing during the programming sequence:	⇒ <i>Workshop Manual 'Basic instructions and procedure for control unit programming using the PIWIS Tester'</i> .
Procedure in the event of abnormal termination of control unit programming:	Repeat control unit programming by restarting programming.

2 Read out all **fault memories**, process and delete existing faults if necessary.

**Information**

If control units are found to have faults that are **not** caused by control unit programming, these must first be **found and corrected**. This work **cannot** be invoiced under the workshop campaign number.

- 3 Create Vehicle Analysis Log (VAL) using the PIWIS Tester.
Mark the vehicle analysis log you have just created with the attribute "**Final VAL**" and after carrying out the campaign, return it using the PIWIS Tester.
- 4 Enter the campaign in the Guarantee and Maintenance booklet.

Replacing gateway control unit - scopes 2 and 3 (911)

Work Procedure: 1 Remove and install gateway control unit.
For instructions, see: ⇒ *Workshop Manual 'Removing and installing gateway control unit'*

- 2 Replace gateway control unit.
For instructions, see: ⇒ *Workshop Manual 'Replacing gateway control unit'*
- 3 Read out all **fault memories**, process and delete existing faults if necessary.

**Information**

If control units are found to have faults that are **not** caused by control unit programming, these must first be **found and corrected**. This work **cannot** be invoiced under the workshop campaign number.

- 4 Create Vehicle Analysis Log (VAL) using the PIWIS Tester.
Mark the vehicle analysis log you have just created with the attribute "**Final VAL**" and after carrying out the campaign, return it using the PIWIS Tester.
- 5 Enter the campaign in the Guarantee and Maintenance booklet.

Replacing Over the Air control unit - Scope 4 (Taycan)

Work Procedure: 1 Remove and install over the air control unit.
For instructions, see: ⇒ *Workshop Manual 'Removing and installing over the air control unit'*

- 2 Replace over-the-air control unit.
For instructions, see: ⇒ *Workshop Manual 'Replacing over-the-air control unit'*
- 3 Read out all **fault memories**, process and delete existing faults if necessary.



Information

If control units are found to have faults that are **not** caused by control unit programming, these must first be **found and corrected**. This work **cannot** be invoiced under the workshop campaign number.

- 4 Create Vehicle Analysis Log (VAL) using the PIWIS Tester.
Mark the vehicle analysis log you have just created with the attribute "**Final VAL**" and after carrying out the campaign, return it using the PIWIS Tester.
- 5 Enter the campaign in the Guarantee and Maintenance booklet.

Warranty processing (Panamera)

Scope 1:

Labor time:

Re-programming gateway control unit Labor time: **101 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Reading out and erasing fault memories
 Create Vehicle Analysis Logs (VALs) after completing the campaign

⇒ **Damage code WND4 066 000 1**

Warranty processing (911)

Scope 1: **Not relevant for this vehicle type.**

Scope 2:

Labor time:

Replacing gateway control unit Labor time: **234 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Reading out and erasing fault memories
 Create Vehicle Analysis Logs (VALs) after completing the campaign

Required parts:

V04015001HC	⇒ Gateway control unit	1 ea.
9A700775500	⇒ Cheese head bolt	2 ea.

N 98925801	⇒ Cheese head bolt	2 ea.
N 91026201	⇒ Hexagon collar nut	2 ea.

⇒ Damage code WND4 066 000 2

Scope 3: • 992 (GT3) **with** I-no. '2Y6' (SAFETY CAGE)

Labor time:

Replacing gateway control unit

Labor time: **392 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Removing and installing roll-over bar
Reading out and erasing fault memories
Create Vehicle Analysis Logs (VALs) after completing the campaign

Required parts:

V04015001HC	⇒ Gateway control unit	1 ea.
9A700775500	⇒ Cheese head bolt	2 ea.
PAF910758	⇒ Cheese head bolt	4 ea.
PAF104513	⇒ Cheese head bolt	2 ea.
PAF912572	⇒ Hexagon flange bolt	6 ea.
PAF003923	⇒ Hexagon nut	6 ea.

⇒ Damage code WND4 066 000 2

Warranty processing (Taycan)

Scope 1-3: **Not relevant for this vehicle type.**

Scope 4:

Labor time:

Removing over-the-air control unit Labor time: **125 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Reading out and erasing fault memories
 Create Vehicle Analysis Logs (VALs) after completing the campaign

Required parts:

V04015001HD ⇒ Control unit for online services 1 ea.

⇒ **Damage code WND4 066 000 2**

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